

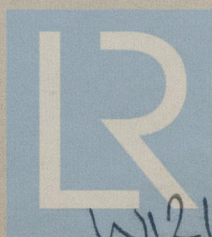
586

Profile -

"SIRE"

Joseph L. Thompson & Sons' No. 586.
Profile (As built).

SUNDERLAND RPT. NO. 32401



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Lloyd's Register
Foundation

W121-0084

586

Dicks.

"SIRE"
Joseph J. Thompson & Sons 586
Dicks (As built).

SUNDERLAND RPT. NO.

32401

W121-0086



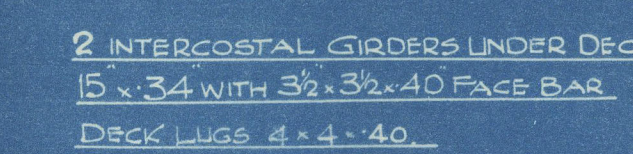
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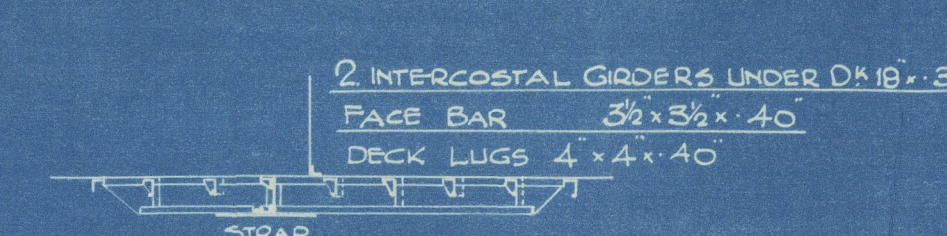
DECK PLANS.

BRIDGE DECK.

UPPER DECK.



2 INTERCOSTAL GIRDERS UNDER DECK
15" x 34" WITH 3 1/2" x 3 1/2" x 40" FACE BAR
DECK LUGS 4" x 4" x 40"



2 INTERCOSTAL GIRDERS UNDER Dk 18 - 2
FACE BAR $3\frac{1}{2} \times 3\frac{1}{2} \times 40$
DECK LINES $1 \times 1 \times 40$

PORTABLE PLATE & BEAMS OVER STEERING GEAR

FORECASTLE DEC

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586

Midship Section.

"SIRE"

Joseph L. Thompson Sons' no. 586.

Midship Section (As built).

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32401.

W121-0085



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S.S. "SIRE".

Nº 586.

MIDSHIP SECTION.

PRINCIPAL DIMENSIONS	
LENGTH B.P.	400.0
BREADTH EXTREME	57.8
MOULDED	57.4½
DEPTH MLD UPPER DECK	31.7
TO LENGTH U.D.K.	12.67
BIDGE DK.	10.23

SINGLE DECK WITH POOP, BRIDGE & FORECASTLE.

LLOYD'S 100A1 CLASS.

ERECTOR'S 46.76% L.

SCALE: 1/2" = 1 FOOT.

NUMERALS	
L.D. = 400.31.58	12632
L(B+D) = 400(57.37+31.58)	35580

EQUIPMENT NUMERALS

400(57.37+31.58)	35580
POOP 35.25+7.5-7.5	198
BRIDGE 121.5+7.5-7.5	683
FORE 30.25+7.5-7.5	170
CASING 70.0+7.75-5	271
	36902

EFFICIENT SCARPING OF DIFFERENT THICKNESSES TO BE SECURED BY CAREFUL ARRANGEMENT OF DECK BUTTS

NO CARGO BATTENS IN TWIN DECK BUNKER SPACE ABREAST ENGINE & BOILER ROOM BUT FRAMES TO BE PUNCHED

BRIDGE SIDES 60
QUAD RIV. END LAPS
SINGLE RIV. SEAMS POOP 38
& END LAPS FORE 41

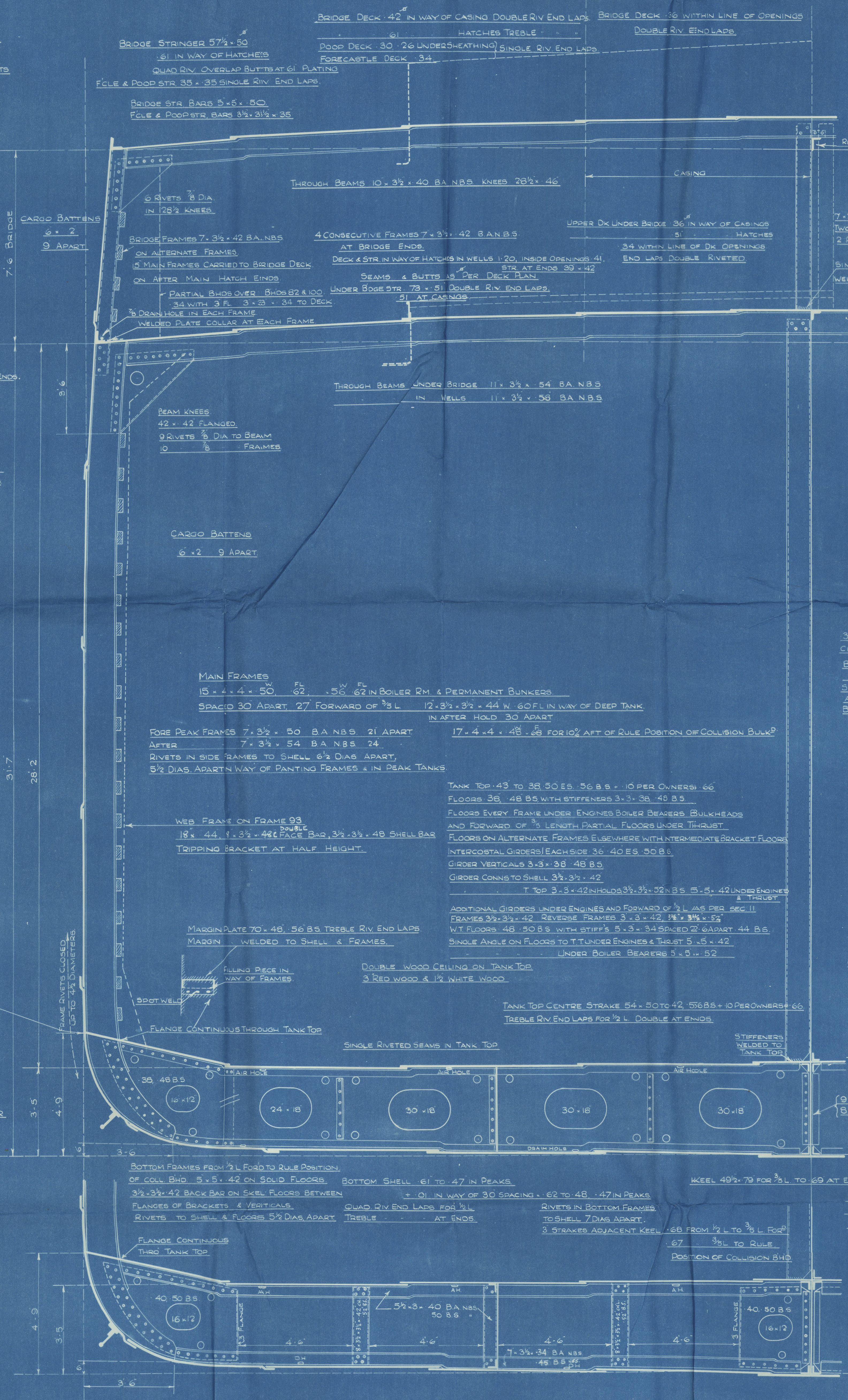
SHEERSTRAKE 76 AMIDSHIPS 80 TO 48 AT ENDS
QUAD RIV. END LAPS 1/2 L TREBLE AT ENDS
61 IN WAY OF BRIDGE WITH TREBLE RIV. END LAPS

STRAKE BELOW SHEERSTRAKE 84 AMIDSHIPS 68 TO 45 AT ENDS
QUAD RIV. END LAPS 1/2 L TREBLE AT ENDS
64 IN WAY OF BRIDGE WITH TREBLE RIV. END LAPS

SIDE SHELL FOR A DISTANCE OF 10% L AFT OF RULE POSITION OF COLLISION BULKHEAD + 25% ABOVE END THICKNESS

SIDE SHELL
MIDSHIP THICKNESS FORWARD OF COLLISION BULKHEAD FROM BELOW LIGHT LINE TO ABOVE LOAD LINE (PER OWNERS)

SIDE SHELL 61 TO 45
+ 01 IN WAY OF 30 SPACING = 62 TO 46.45 IN PEAKS
TREBLE RIV. END LAPS



12257
596
11/4/18

SUNDERLAND.

Messrs. G. Clark (1936) Ltd.

Contract 1210

Messrs. J. L. Thompson + Sons Ltd

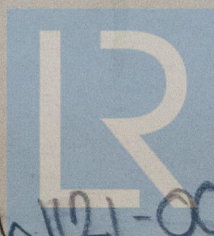
Yard No 586

Main Boilers



"SIRE"

SUNDERLAND RPT. NO. 82401



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W1121-0083

Enclosure from

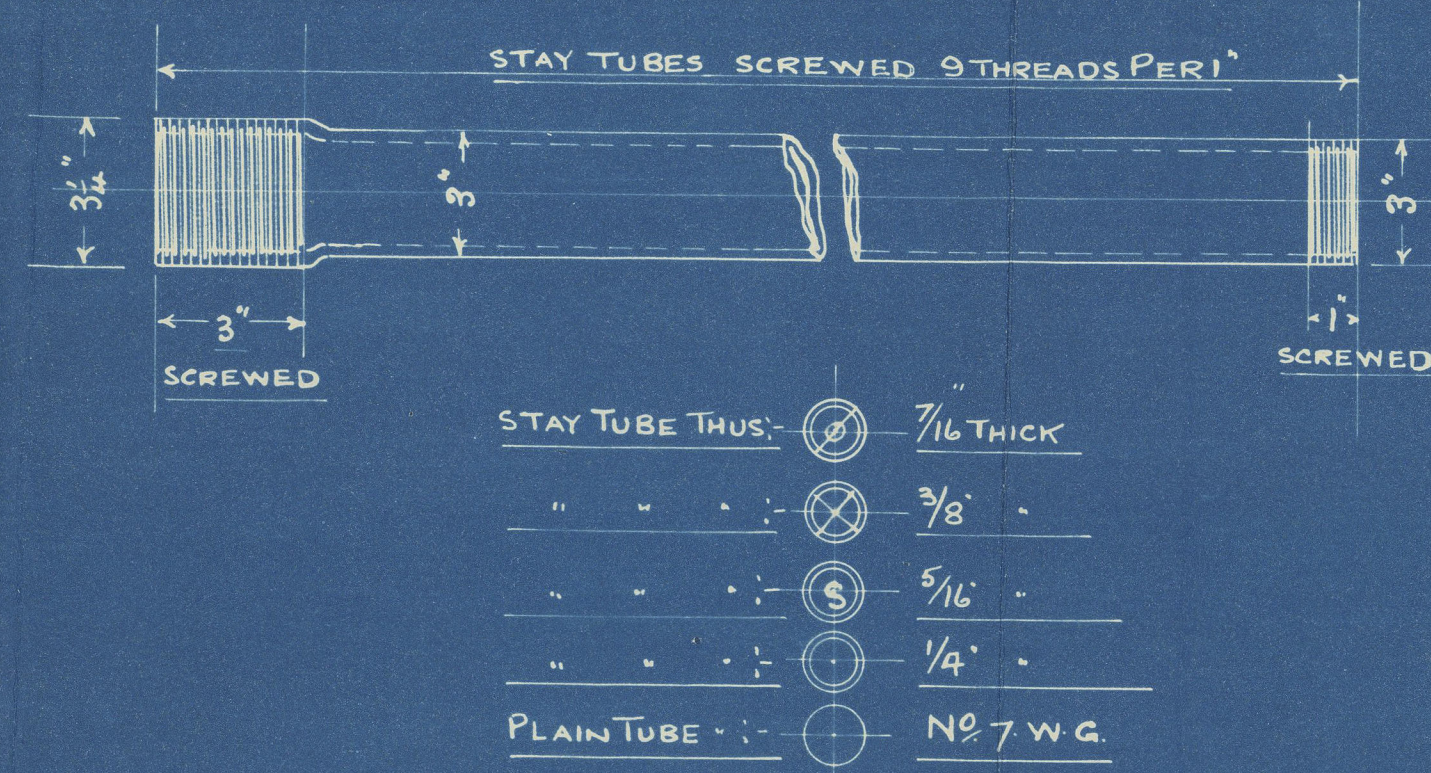
GEORGE CLARK (1936) LTD.

For


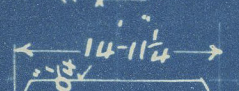

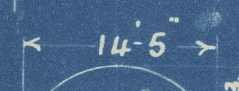
W121-0083'12

3. OFF FOR MESSRS J. L. THOMPSON + SONS LTD S/S NO 586. 581

HEATING SURFACE sq.	SQFT.
HEATING SURFACE IN ONE TUBE	6.16
" " 246 TUBES	1516
" " 3 CHAMBERS	193
" " 3 FURNACES	125.
" BACK TUBE PLATES	36
" FRONT " "	29
TOTAL H.S. IN ONE BOILER:	1889.
GRAND " " THREE BOILERS:	5667.
TOTAL GRATE SURFACE " BARS	
" AREA THRO' TUBES "	25.89.
RATIO: $\frac{\text{TUBE AREA}}{\text{GRATE AREA}}$	
TOTAL STEAM SPACE TO 6' ABOVE LEVEL OF TUBES.	1419 CUB.



PLATES (3 BOILERS).

MARK	N ^o	LENGTH	BREADTH	Tk.	POSITION.	MARK	N ^o	SKETCH	Tk.	POSITION.
A	3	19' 18"	12 3/4"	1 1/2"	SHELLS.	Q	3.		1 1/2"	FRONT TOPS.
B	3	23' 0 1/2"	12 3/4"	1 1/2"	"					
C	6	10' 8 1/2"	21"	1"	OUTER B. STRAPS.					
D	6	10' 0 1/2"	20 3/4"	1 1/2"	INNER " "					
E	6 1/2	2' 11"	13 1/4"	3/8"	GIRDERS	R	3.		1 1/2"	FRONT BOTTOMS.
G	3	9' 5 1/2"	53"	3/8"	BACKTUBE PLATES. C.					
H	6	7' 8 1/2"	6 1/2"	1/4"	" " W.					
J	3	9' 5 1/2"	53"	3/8"	C.C. BACKS. C.					
K	6	7' 8 1/2"	6 1/2"	1/4"	" " W.					
L	3	17' 9"	2 1/4"	1/4"	" SIDES. C.	S	3.		1 1/2"	BACK TOPS.
M	6	14' 3"	2 1/4"	1/4"	" " W.					
N	3	5' 0"	2 1/4"	1/4"	" TOPS. C.					
O	6	6' 4 1/2"	2 1/4"	1/4"	" " W.	T	3.		1"	BACK BOTTOMS.
P	1	10' 6"	21"	1 1/8"	MANHOLE DOORS.					
X	3	4' 0"	33"	1"	COLLISION CHOCKS					

SCREW STAYS (STEEL):

23 BARS -	$\frac{15}{32}$ " DIA ^Ø	x 12'-0" LONG.
32 "	$\frac{20}{32}$ "	x 12'-0" "
25 "	$2\frac{1}{32}$ "	x 12'-0" "
2 "	$2\frac{9}{32}$ "	x 12'-0" "

GIRDER STAYS.

66 OFF	1-2 ⁵ / ₈ LONG	x 1 ⁷ / ₈ " DIA	90
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SOLID STEEL STAYS $2\frac{5}{8}$ " DIA⁹. STAYED UP TO
3" DIA⁹ AT ENDS - 6 THREADS PER 1"
EFF DIA⁹ AT 80 THREAD = 2.787"

MANHOLE AS DRAWN FOR PORT + CENTRE BOILERS
TO OPPOSITE HAND FOR STAB^D.

NUTS $\frac{7}{8}$ " DEEP ON	$1\frac{3}{4}$ " STAYS
" 1" "	$1\frac{7}{8}$ " 2"
" $1\frac{1}{8}$ " "	$2\frac{1}{4}$ " "

SCREW STAYS THUS:-

(A)	=	$\frac{1}{4}$ " DIA	O.T.	=	$\frac{19}{32}$ EFF DIA
(B)	=	2"	-	=	$\frac{55}{64}$ "
(C)	=	$2\frac{1}{4}$ "	-	=	$2\frac{1}{4}$ "

ALL SCREWED 9 THREADS PER 1"

Nº 1210.